

SERIA AR

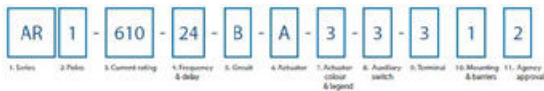
AR1-610-24-B-A-3-3-312

- 1 - 6-polowe
- 0.1-50 A
- Do 277 V AC
- Do 90 V DC



OPIS PRODUKTU

Firma Mors Smitt ze względu na swoje świetne zorientowanie na potrzeby klienta oferuje szeroką gamę wyłączników miniaturowych o przeróżnych specyfikacjach, aby sprostać najwyższym wymaganiom. Zamówienia należy komponować zgodnie z poniższą formatką. Przedstawione produkty są przykładowe.



1 Series
AR

2 Poles
1 One 4 Four
2 Two 5 Five
3 Three 6 Six

3 Current rating (amperes)

218 0.100	512 1.250	485 8.500
215 0.150	415 1.500	470 9.000
230 0.200	517 1.750	495 9.500
225 0.250	420 2.000	410 10.000
230 0.300	522 2.250	435 10.500
235 0.500	423 3.000	414 10.800
240 0.400	527 2.750	437 11.000
245 0.450	430 3.000	418 11.000
248 0.500	435 3.500	420 12.000
240 0.600	440 4.000	422 12.000
245 0.650	445 4.500	424 14.000
270 0.700	450 5.000	425 15.000
275 0.750	455 5.500	430 16.000
280 0.800	460 6.000	435 16.000
285 0.850	465 6.500	440 16.000
280 0.900	470 7.000	450 16.000
285 0.950	475 7.500	
418 1.000	480 8.000	

Or voltage coil (nominal rated voltage)¹

106 6.10V	06 6.3V
112 12.10V	12 12.6V
118 18.10V	18 18.9V
124 24.10V	24 24.6V
132 32.10V	32 32.4V
144 48.10V	48 48.6V
160 64.10V	64 64.8V
180 81.10V	81 81.6V
200 100.10V	100 100.8V

Other values on request

4 Frequency & delay

01	DC, 50/60 Hz, switch only
10	DC instantaneous
11	DC ultra short
12	DC short
14	DC, medium
16	DC long
20	50/60 Hz instantaneous
21	50/60 Hz ultra short
22	50/60 Hz short
24	50/60 Hz medium
26	50/60 Hz long
42	50/60 Hz short, bi-trip
44	50/60 Hz medium, bi-trip
46	50/60 Hz long, bi-trip
52	DC, short, bi-trip
54	DC, medium, bi-trip
56	DC, long, bi-trip

5 Circuit

A	Switch only (no coil)
B	Series trip (current)
C	Series trip (voltage)
D	Shunt trip (current)
E	Shunt trip (voltage)
H	Dual coil with shunt trip voltage coil

6 Actuator¹

A	Handle, one per pole
B	Handle, one per multipole unit
S	Mid-trip handle, one per pole
T	Mid-trip handle, one per pole & alarm switch

7 Actuator colour & legend

Actuator colour	I/O	ON-OFF	Dual	Legend colour
White	A	B	1	Black
Black	C	D	2	White
Red	F	G	3	White
Green	H	J	4	White
Blue	K	L	5	White
Yellow	M	N	6	Black
Grey	P	Q	7	Black
Orange	R	S	8	Black
White (short handle) ²	V	W	0	Black

8 Auxiliary switch¹

0	Without auxiliary switch
2	SPDT, 0.110 QC, 3-term.
3	SPDT, 0.130 roller leg
4	SPDT, 0.110 QC, 3-term. (gold contacts)
A	SPDT, 0.110 QC, 3-term. with mounted cover
B	SPDT, 0.110 QC, 3-term. (gold contacts) with mounted cover

10 Mounting & barriers

Mounting style	Barriers
1 threaded insert, 2 per pole	No
A 6-32 x 0.195 inch	Yes (between poles only)
2 ISO M3 x 5 mm	No
B ISO M3 x 5 mm	Yes (between poles only)

9 Terminal¹

1 ¹	Push-on, 0.250 inch (Q.C.)
2	Screw 8-32 with upturned legs
3 ²	Screw 8-32 (bus type)
4	Screw 10-32 with upturned legs
5 ³	Screw 10-32 (bus type)
6	Screw 8-32 with upturned legs and 30° bend
7 ³	Screw 8-32 (bus type) and 30° bend
8	Screw 10-32 with upturned legs and 30° bend
9 ³	Screw 10-32 (bus type) and 30° bend
B	Screw M5 with upturned legs
C	Screw M4 with upturned legs
E ³	Screw M4 (bus type)
F	Screw M5 with upturned legs and 30° bend
G ³	Screw M5 (bus type) and 30° bend
H ³	Screw M5 (bus type)
M ²	M6 threaded stud
Q	Dual-in stud
R	Screw M4 with upturned legs and 30° bend
T	Screw M4 (bus type) and 30° bend
U	Double flange 0.257 / 6.3 mm
V	M6 threaded stud 17 mm long with NTF washers and nut

12 Agency approval

2 ¹⁰	TUV certified, UL recognized
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Notes:

- Available up to two poles with AC or DC delays
- Separate pole type voltage coils not rated for continuous duty. Available only with delay codes 10, 20 & 30
- Available with circuit codes B & D only
- For 0.1 - 30 A, select current code 650
- For 35 - 50 A, select current code 650
- Available with terminal codes 1, 2 & 3. Current rating limited to 30 A maximum
- Consult Mors Smitt for available dual coil options, as special catalogue number is required. With shunt construction, dual coils will trip instantaneously on line voltage. Dual coils require 30 VA minimum power to trip and are rated for intermittent duty only
- Actuator code:
 - S: Handle moves to mid-position only upon electrical trip of the breaker, available with all circuit codes, except switch only
 - T: Handle moves to mid-position and alarm switch activates only upon electrical trip of the breaker, available with circuit codes B & C
- Single pole only
- On multi-pole breakers, one auxiliary switch is supplied, mounted in the extreme right pole (rear view)
- Screw terminals are recommended on ratings higher than 20 A
- Rated over 30 A are only available with terminal codes 5, 9, G and H
- Terminal code 1; up to 30 A, but not recommended over 20 A
- Terminal codes 3, 5, 7, 9, E, G and H (bus type) are supplied with lock washers
- Terminal code M (M6 threaded stud) is supplied with lock and flat washers
- TUV certified: not for switch only circuits and only for actuator legend 'I/O' and dual legend
- UL recognized: for most applications, not all
- Special applications without appropriate agency approval code A

Wszystkie wyłączniki firmy Mors Smitt są projektowane zgodnie z normami:

- IEC 60077-1/2/3/4
- NF F62-001 - 1/2/3
- NF F16-101/102
- EN 45545-2
- EN 50155
- EN 61373
- EN 50124-1
- IEC 60068-2-30
- IEC 60068-2-52
- NF F61-010